# Mumbai University

## Question Paper

# [IDOL – Revised Course]
# (May – 2016)

# Paper - IV

# Elective

# Project

# Management

**Time:** 3 Hours                                                                                           **Total Marks:** 100

**N.B.: (1)** *All Question are Compulsory.*
   **(2)** *Make Suitable Assumptions Wherever Necessary And State The Assumptions Made.*
   **(3)** *Answer To The Same Question Must Be Written Together.*
   **(4)** *Number To The Right Indicates Marks.*
   **(5)** *Draw Neat Labeled Diagrams Wherever Necessary.*
   **(6)** *Use of Non – Programmable Calculator is allowed.*

**Q.1     ATTEMPT ANY TWO QUESTIONS: (10 MARKS)**

**(A)**   What are the strategies to make Error-Free Software?                                               **(5)**
**(B)**   Give a brief outline on The Management Artifact Sets.                                              **(5)**
**(C)**   Hi-Tech IT Company is a 50 Employee's organization. It has to develop a Project on "Hospitality    **(5)**
          Management". Company is expert in developing Moderate Sized Projects.
**(D)**   State the Traits of Modern Process of Development.                                                 **(5)**

**Q.2     ATTEMPT ANY THREE QUESTIONS: (15 MARKS)**

**(A)**   How can we improve the term effectiveness?                                                         **(5)**
**(B)**   What kind of strategies can be applied to improve Team effectiveness?                              **(5)**
**(C)**   Explain the generation of Software Development.                                                    **(5)**
**(D)**   How can we Reduce the Software Product Size? Explain in detail.                                    **(5)**
**(E)**   Write detail note on Pragmatic Software Cost Estimation.                                           **(5)**
**(F)**   Present the Boehm's Top-10 Software metrics list in detail.                                        **(5)**

**Q.3     ATTEMPT ANY THREE QUESTIONS: (15 MARKS)**

**(A)**   Explain any five Davi's principle of Conventional Software Management?                             **(5)**
**(B)**   Write a short note on Technical Perspective Architecture.                                          **(5)**
**(C)**   Explain the principles of Modern Software Management?                                              **(5)**
**(D)**   Explain Vision Document in Engineering artifact with its structure.                               **(5)**
**(E)**   Explain the template of Business Case.                                                             **(5)**
**(F)**   For each of the Inception and Transition Phase explain following thigs:                            **(5)**
          **(i)**   Starting & Ending Point
          **(ii)**  Objectives
          **(iii)** Activities
          **(iv)**  Evaluation Criteria

**Q.4     ATTEMPT ANY THREE QUESTIONS: (15 MARKS)**

**(A)**   List and explain the seven top level software process workflows.                                  **(5)**
**(B)**   Explain the principles of modern software engineering?                                            **(5)**
**(C)**   What is the significance of Periodic Assessments?                                                 **(5)**
**(D)**   Discuss the cost and Schedule Estimating Process.                                                 **(5)**
**(E)**   Write a short note on interaction workflows.                                                      **(5)**
**(F)**   Define a WBS. Explain the Evolutionary WBS?                                                        **(5)**

**[TURN OVER]**

**Q.5    ATTEMPT ANY THREE QUESTIONS: (15 MARKS)**

**(A)** Which types of Automation tools we can use to automate the seven work flows?    **(5)**

**(B)** Explain the roles, artifacts and responsibilities of the term responsibilities for planning?    **(5)**

**(C)** Explain in brief about the process automation?    **(5)**

**(D)** Explain the term "Software Project Team Evolution".    **(5)**

**(E)** Explain four important Environment disciplines of environment evolution.    **(5)**

**(F)** Enlist the set of activities evolved over the life-cycle. Explain the same.    **(5)**

**Q.6    ATTEMPT ANY THREE QUESTIONS: (15 MARKS)**

**(A)** Describe any five core metrics for Project Control and Process Instrumentation.    **(5)**

**(B)** What is scale of the project? Explain different type of projects according to the scale.    **(5)**

**(C)** Compare and contrast Small-Scale and Large-Scale Projects.    **(5)**

**(D)** Describe the four Quality Indicators in detail.    **(5)**

**(E)** Describe the seven Core Metrics for Projects Control and Process Instrumentation.    **(5)**

**(F)** Write detail note on Management Indicators.    **(5)**

**Q.7    ATTEMPT ANY THREE QUESTIONS: (15 MARKS)**

**(A)** Enlist the various principles of Modern Project Management.    **(5)**

**(B)** Explain a general structure for a cost estimation model IN Modern Software process.    **(5)**

**(C)** What is Early Risk Resolution? How it is carried out in the interactive process as early in the life cycle? Give its advantages.    **(5)**

**(D)** Explain in detail the culture shifts in Modern Process Transition.    **(5)**

**(E)** What is Early Risk Resolution? Give its advantages.    **(5)**

**(F)** How does cost estimation server as the potential solution for modern software project management? Explain with neat diagram.    **(5)**